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(71) Applicant (*for all designated States except US*): SOLAR SYSTEMS PTY LTD [AU/AU]; 6 Luton Lane, Hawthorn, Victoria 3122 (AU).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): LASICH, John, Beavis [AU/AU]; 11 Pretoria Street, Balwyn, Victoria 3103 (AU).

(74) Agent: GRIFFITH HACK; 509 St Kilda Road, Melbourne, Victoria 3004 (AU).

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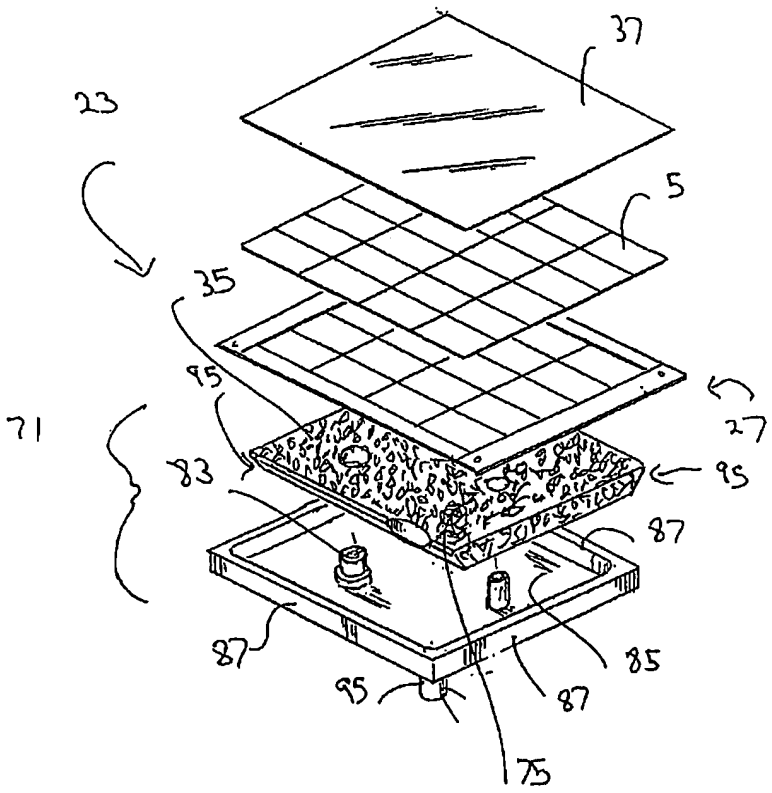
(54) Title: EXTRACTING HEAT FROM AN OBJECT



(57) Abstract: A photovoltaic cell module (23) for a receiver of solar electrical power generating system including an assembly for extracting heat from photovoltaic cells (5) is disclosed. The assembly includes a coolant chamber (85) positioned behind and in therinal contact with the exposed surface of the photovoltaic cells. The coolant chamber has an inlet an outlet for the cooling fluid. The coolant chamber is filled with a plurality of beads, rods, bars or balls (95) of high thermal conductivity that are in thermal contact with the photovoltaic cells and each other. They are placed in the chamber to form their shape and sintered to weld them into that shape permanently. Together they form a large surface area for heat transfer and define a three dimensional labyrinth that can conduct heat therethrough away from the photovoltaic cell or cells.

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